

16/30 - (C) Derwent
 AN - 90-181364 [24]
 XA - C90-078781
 XP - N90-140904
 TI - ***Vascular*** ***endothelial*** cell growth factor - is obtd. by
 condensing serum-free cultured supernatant soln. of human diploid
 fibroblast cells and purifying
 DC - B04 D16 P34
 PA - (TORA) TORAY IND INC
 (AJIN) AJINOMOTO KK
 NP - 1
 FN - J02117698 A 900502 DW9024
 PR - 88JP-271389 881027
 AP - 88JP-271389 881027
 IC - A61K-037/24 A61K-049/00 A61L-027/00 C07K-015/12 C12P-021/02
 C12R-001/91
 AB - J02117698 Purified ***vascular*** ***endothelial*** cell growth
 factor is obtd. by condensing serum-free cultured supernatant soln. of
 human diploid fibroblast cells via ultrafiltration and purifying
 condensed soln. via heparin cephallose affinity chromatography and
 reverse phase HPLC. Factors show growth promoting activity to
 vascular ***endothelial*** cells and show no activity to
 Balb/3T3 and human diploid fibroblast-cells. Factors do not inhibit
 combining of ¹²⁵I-FGF to HepG2 cell surface FGF receptors.
 USE/ADVANTAGE - Endothelial cell growth factor (ECGF) are useful for
 treatments for burn and cardiovascular disorders. Also, ECGF are
 useful material for treatments and diagnosis of malignant tumour,
 retinitis, chronic rheumatism, etc.. Also ECGF are hihgly purified and
 obtd. by method of higher productivity and stability over conventional
 methods. (4pp Dwg.No.0/0)

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22/30 - (C) Derwent
 AN - 89-088700 [12]
 XA - C89-039214
 TI - ***Vascular*** ***endothelial*** cell growth factor protein - used
 for treatment of e.g. wound and cardio angiopathy and for diagnosing
 e.g. tumours, etc.
 DC - 804 D16
 PA - (TORA) TORAY IND INC
 NP - 1
 PN - J01038100 A 890208 DW8912
 PR - 87JP-193303 870731
 AP - 87JP-193303 870731
 IC - A61K-037/02 C07K-015/06 C12P-021/00 C12R-001/91
 AB - J01038100 ***Vascular*** ***endothelial*** cell growth factor
 (ECGF) protein has a M.W. under the non-redn condition of 38000-48000.
 ECGF is inactivated by reducing treatment. The isoelectric point is
 8.5-9.0.
 USE/ADVANTAGE - ECGF is useful for treatment of e.g. wound and
 cardio-angiopathy, and for diagnosis of e.g. tumours, retinopathy,
 chronic rheumatism. ECGF can be efficiently and safely obtd.
 In an example, human diploid fibroblast is grown in Eagle MEM medium
 including 5% bovine serum, and grown in a medium including no serum.
 The obtd supernatant soln is concn, and ECGF active ingredients are
 absorbed in a column, eluated and absorbed TSK gel Ether-SPW in the
 presence of ammonium acetate. The obtd fraction is eluted and
 subjected to SDS-PAGE (contg no reducing agent) to obtain M.W. of
 38000-48000. when a reducing agent is present, ECGF activity is not
 detected. By PAGE isoelectric method, pI can be obtd 8.5-9.0. (4pp
 Dwg.No.0/3)

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